

Title (en)  
EXHAUST GAS PURIFYING CATALYST

Title (de)  
ABGASREINIGUNGSKATALYSATOR

Title (fr)  
CATALYSEUR DE PURIFICATION DE GAZ D'ÉCHAPPEMENT

Publication  
**EP 2774671 A4 20150708 (EN)**

Application  
**EP 12845120 A 20120925**

Priority  
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Abstract (en)  
[origin: EP2774671A1] The invention discloses a catalyst for purifying exhaust gas apparatus having a Three-way Catalyst (TWC) superior in purification performance of, particularly, NO<sub>x</sub>, among carbon monoxide (CO), hydrocarbons (HC), and nitrogen oxides (NO<sub>x</sub>), in exhaust gas discharged from a gasoline automobile. It is provided by a catalyst for purifying exhaust gas containing a Rhodium (Rh)-supported porous inorganic oxide and barium sulfate (BaSO<sub>4</sub>), with supported or not-supported onto alumina, characterized in that at least a part of Rh is present independently from Ba inside a catalyst layer, and Rh-Ba deviation rate determined from EPMA analysis is 10% to 80%. It is preferable that supported amount of Rhodium is 0.05 g/L to 2.0 g/L, and amount of barium sulfate is 0.5 g/L to 25 g/L and 0.5 g/L to 15 g/L, in the case of being supported and not-supported onto alumina, respectively.

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